APPENDIX 11C
TANK ASSESSMENT AND INSTALLATION CERTIFICATION

October 30, 1997

Supplemental Information to the
RCRA TANK ASSESSMENT AND CERTIFICATION FOR THE
MUNITIONS MANAGEMENT DEVICE, VERSION 1

This notice provides a correction to the MMD-1 process trailer secondary containment calculations presented on pages 27 and 29 of the Tank Assessment and Installation Verification Report.

The net volume of the process trailer secondary containment system is the gross volume minus the volume displaced by support structures and piping.

The net volume is calculated as follows:

1. Gross volume of secondary containment system is the volume of the underpan plus the volume of the sump:

   V gross underpan = 9 feet wide by 34 feet long by 0.42 feet high = 129 cubic feet = 965 gallons

   V gross sump = 0.82 feet wide by 2 feet long by 1.5 feet deep = 2.5 cubic feet = 19 gallons

   V gross total = 965 + 19 = 984 gallons

2. Volume displaced by floor support structures and piping is conservatively estimated to be approximately 40 percent of the containment volume.

   V displaced = 394 gallons

3. The net volume of the secondary containment system is the gross volume minus the volume displaced.

   V net = V gross - V displaced
   V net = 984 gallons - 394 gallons = 590 gallons.

Required volume for liquid secondary containment is 100 percent of the largest vessel in the process trailer. The three process vessels in the process trailer have capacities of 500, 208, and 24 gallons.

Thus, 500 gallons is the secondary containment requirement for liquids. As shown in items 1 through 3 above, the secondary containment system for liquids provides sufficient capacity to contain 590 gallons of liquids within the process trailer.